

**Claims**

1. A micro-fabricated solubility measuring system comprising a microfabricated device having a region in the device for receiving solid sample and a liquid inlet for introducing a predetermined amount of a liquid to the region together with a detector which determines directly or indirectly if solid sample is removed from the region by the liquid.
2. A micro-fabricated solubility measuring system as claimed in claim 1 wherein the detector determines directly or indirectly the amount of solid sample removed from the region by the liquid.
3. A method for determining the solubility of a sample in a micro-fabricated device the method comprising:
  - (1) introducing a predetermined amount of liquid to a solid sample containing region within the micro-fabricated device;
  - (2) measuring the amount of solid sample removed from the region by the liquid;
  - (3) determining the solubility of the sample by reference to the measurement of solid sample removed from the region and the amount of liquid used.
4. A method for determining the rate of dissolution of a sample in a micro-fabricated device the method comprising:
  - (1) introducing a liquid to a solid sample containing region within the micro-fabricated device;
  - (2) at time points after introduction of the liquid measuring the amount of solid sample removed from the region;
  - (3) determining the rate of dissolution by reference to the measurement of solid sample removal from the region and the amount of liquid used over time.